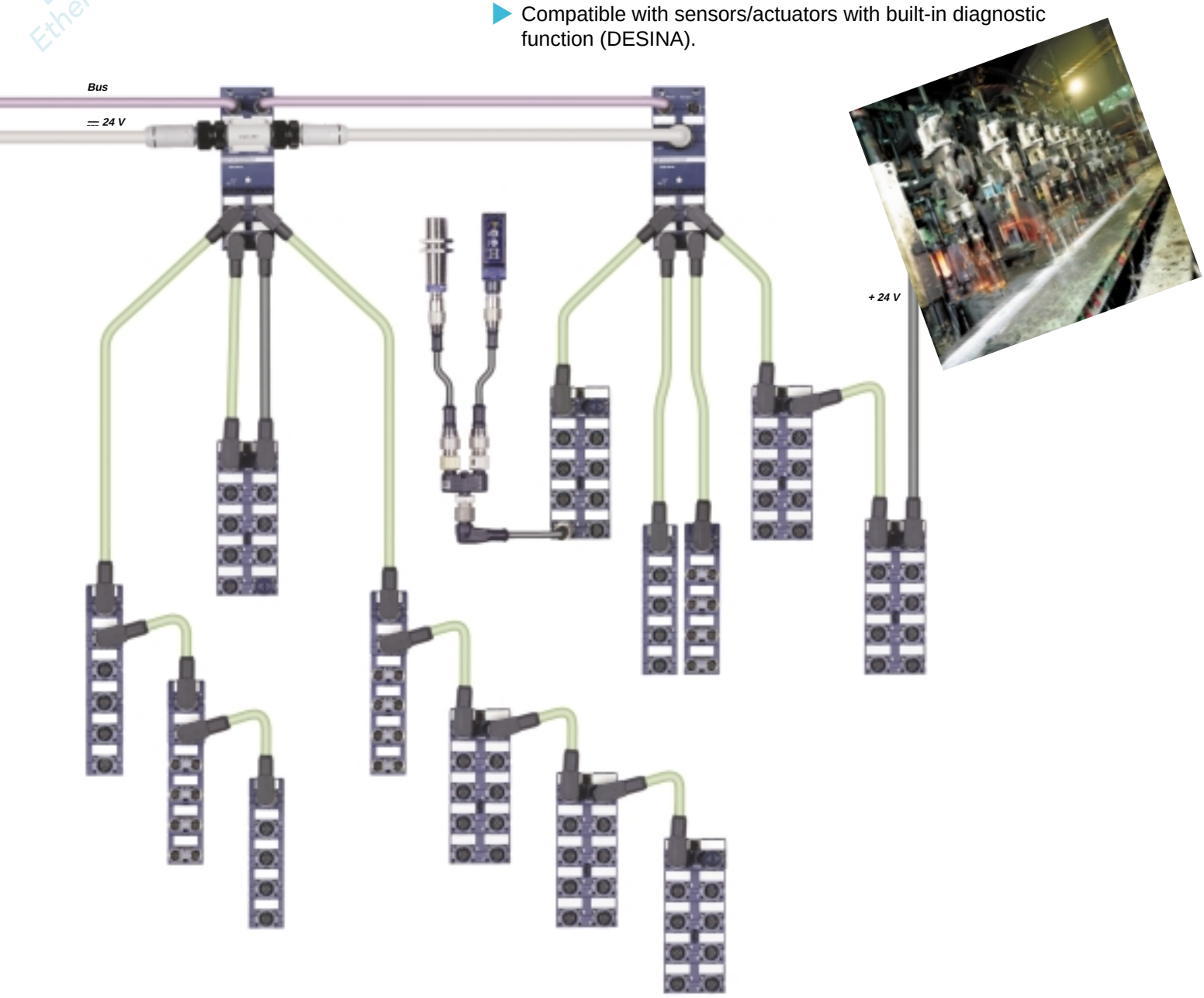
Advantys ▶ **FTM** modular I/O splitter boxes for fieldbuses

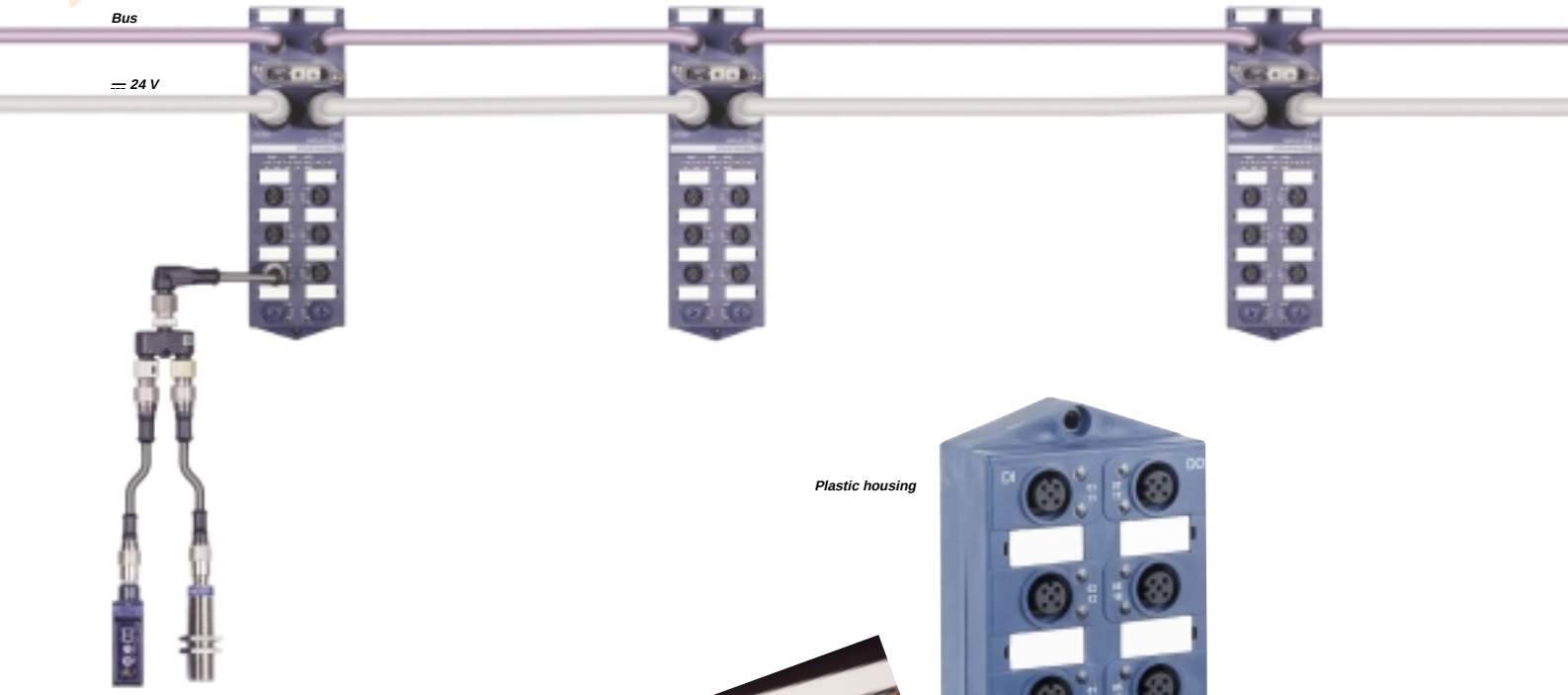
- **256 digital I/Os per coupling device**,
- **Modular, small footprint,**
- **Identical digital and analogue splitter boxes irrespective of bus**,
- Type M8 and M12 connections,
- Flexible, configurable splitter boxes,
- Integrated channel and splitter box diagnostics,
- Compatible with sensors/actuators with built-in diagnostic function (DESINA).



Powerful, compact and modular…

Advantys ▶ **FTB** monobloc I/O splitter boxes for fieldbuses

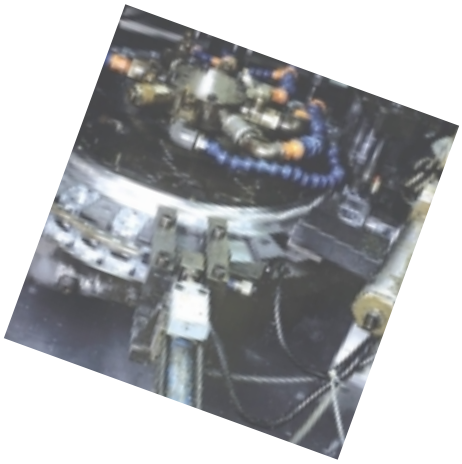
- **16 I/Os per splitter box**,
- **Wide range of I/O combinations** (16 I, 8 I/8 O, 12 I/4 O, 16 IO configurable),
- **Plastic or metal housing** (**for harsh environments**),
- Integrated channel and splitter box diagnostics,
- Compatible with sensors/actuators with built-in diagnostic function (DESINA).



Simple, robust and configurable…

Telefast ▶ ABE9
passive splitter boxes

- Compact type M12 connections,
- Different ways of connecting to PLC,
- Status/channel indication complying with CNOMO specifications,
- Separation of power circuits between inputs and/or outputs.



▶ Passive splitter boxes range

Type of connection: M12	Number of channels: 4	Number of channels: 8	LED indicator: without	LED indicator: with	Passive splitter boxes (1) Reference must be completed	Connection PLC (1): M23 connector	5 m cable	10 m cable	splitter boxes only
Modules ABE9									
	■			■	ABE 9C1240••• (1)	C23	L05	L10	M
	■		■		ABE 9C1280•••	C23	L05	L10	M
	■			■	ABE 9C1241•••	C23	L05	L10	M
	■		■		ABE 9C1281•••	C23	L05	L10	M
Terminal block connector									
with cable	■				ABE 9XCA14••		05	10	
		■			ABE 9XCA18••		05	10	
without cable					ABE 9CM12C				
Wiring accessories									
Marker labels					ABE 9XLA10				
Sealing plugs					FTX CM••				
"Y" connectors					FTX CY12••				

To enter the IP 67 world...

AS-Interface ▶ splitter boxes for cabling system

- 4 and 8 channels,
- Type M8 and type M12 connections,
- AS-Interface cable connected by:
  - insulation displacement connector (IDC),
  - M12 connector,
  - terminal block.

- Splitter boxes range for AS-Interface cabling system

AS-Interface modules	Number of channels		Type of channel					Sensor/actuator connections		AS-Interface versions	
	4	8	4I	2I/2O	4O	4I/4O		M8	M12	V2.1	V1
IDC	■	■	■	■	■	■			■	■	
IDC remote M12 connector	■		■					■		■	
IDC or terminal block	■		■	■	■				■		■
IDC or M12		■				■			■		■

Fast, simple wiring…

Advantys

FTB monobloc splitter boxes for fieldbuses

	Bus type (1)					Type of channel						Type of housing		Reference must be completed (2) type of bus required (3) **1** for INTERBUS, **0** for other buses
	Profibus-DP	DeviceNet	CANopen	INTERBUS	16 I	8 I / 8 O	12 I / 4 O	configurable 8 I / 8 I/O	configurable 16 I/O	plastic	metal	
Plastic monobloc splitter boxes														
	DP	DN	CN	IB	■					■				FTB 1••16EP• (2) (3)
	DP	DN	CN	IB		■				■				FTB 1••08E08SP•
	DP	DN	CN	IB			■			■				FTB 1••12E04SP•
	DP	DN	CN	IB				■		■				FTB 1••16CP•
Metal monobloc splitter boxes														
	DP	DN			■						■			FTB 1••16EM0
	DP	DN					■				■			FTB 1••08E08CM0
	DP	DN						■			■			FTB 1••16CM0

(1) Monobloc FIPIO see catalogue Premium automation platform

Metal housing

	Length of cable								
	0,6 m	1 m	1,5 m	2 m	3 m	5 m			(4) Reference must be completed
Wiring accessories									
Bus wiring	■	■		■	■	■			FTX •••• (4)
Power cables	■	■	■	■	■	■			FTX ••••
Connectors									FTX ••••
Marker labels									FTX ••••
Sealing plugs									FTX CM••
“Y” connectors									FTX CY12••
Resistance terminations									FTX ••••
Technical support									
CD technical manuals + configuration files									FTX ES00

Advantys

FTM modular splitter boxes for fieldbuses

	Bus type: Profibus-DP	Bus type: DeviceNet	Bus type: CANopen	(1) Reference must be completed with type of network required
Couplers FTM				
	DP	DN	CN	FTM 1••10 (1)

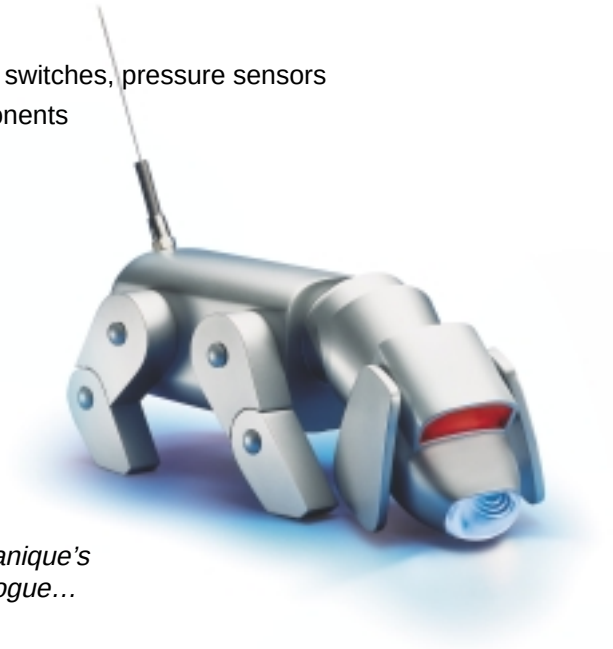
	Type of channel: inputs	Type of channel: outputs	Type of channel: configurable inputs/outputs	Number of channels: 4	Number of channels: 8	Number of channels: 16	Type of connection: M8	Type of connection: M12	Analogue signal: voltage	Analogue signal: current	Splitter boxes: compact	Splitter boxes: expandable add (E) at the end of reference
Digital I/O splitter boxes												
	■				■			■				FTM 1DE08C08(E)
	■				■			■				FTM 1DE08C12(E)
	■					■		■				FTM 1DE16C12(E)
		■			■			■				FTM 1DD08C08(E)
		■			■			■				FTM 1DD08C12(E)
		■				■		■				FTM 1DD16C12(E)
Analogue I/O splitter boxes												
	■			■				■		■		FTM 1AE04C12T
	■			■				■				FTM 1AE04C12C
		■		■				■		■		FTM 1AS04C12T
		■		■				■				FTM 1AS04C12C

	Length of cable: 0,3 m	0,6 m	1 m	1,5 m	2 m	3 m	5 m	(2) Reference must be completed
Wiring accessories								
Bus wiring	■	■	■		■	■	■	FTX •••• (2)
Power cables		■	■	■	■	■	■	FTX DP••
Internal bus wiring	■	■	■		■	■	■	FTX CB••
cables for auxiliary power	■	■	■		■	■	■	FTX CA••
Connectors								FTX ••••
Marker labels								FTX MLA10
Sealing plugs								FTX CM••
"Y" connectors								FTX CY12••
Resistance terminations								FTX ••••
Technical support								
CD technical manuals + configuration files								FTX ES00

IP 67 splitter boxes
perfect connection with “Global Detection”…

Electronic and electromechanical detectors

- Photoelectric detectors
- Proximity detectors
- Position switches
- Pressure and vacuum switches, pressure sensors
- Machine wiring components



For all references,
please consult Telemecanique’s
“Global Detection” catalogue…

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Owing to the changes in standards and equipment, the characteristics given in the text and images in this document are not binding until they have been confirmed with us.
Design: Anahata
Photos: Schneider Electric, Gettyimages, A Shennan, Comstock

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IP 67 splitter boxes

Put them to the test…

IP 67 splitter boxes
for sensors/actuators

a brand of Schneider Electric

Telemecanique